	Application No.	Applicant(s)
Notice of Allowability	09/782,791	GAO, YANG
	Examiner	Art Únit
	Michael N. Opsasnick	2655
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>remarks filed 8/25/05</u> .		
2. The allowed claim(s) is/are <u>1-13,15-47 and 49-70</u> .		
3.		
each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)		
1. Notice of References Cited (PTO-892)		atent Application (PTO-152)
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date		te
of Biological Material	9.	YOUNG Y EXAMINER

Application/Control Number: 09/782,791

Art Unit: 2655

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-13,15-47,49-70 are allowable over the prior art of record.
- 2. The following is an examiner's statement of reasons for allowance:

As per independent claims 1,16,30,45,55, and 63, the recited limitations pertaining to a second stage noise reduction of a time based version of an already frequency noise reduced signal is not explicitly taught by the prior art of record. An example of the prior art of record is Ertem et al. (6,453,289) disclosing noise reduction gain codebooks (performed in the frequency domain \rightarrow col. 3 lines 43-49, col. 11 lines 59-61). Borth et al (4630304) teaches a noise reduction system focusing on adjusting the gain according to the noise floor and noise estimates by performing a/d, time to frequency conversion, background noise estimation and removal, and conversion back to the time domain (Borth et al (4630304), col. 3 line 35 – col. 4 line 2), however, the system in Borth, albeit showing time domain conversion, does not perform the frequency based, then time based, consecutive, noise reduction system. Furthermore, it would not have been obvious to one of ordinary skill in the art of noise reduction systems to modify the teachings of the prior art of record to obtain the recited limitations of the independent claims noted above.

Application/Control Number: 09/782,791

Art Unit: 2655

Dependent claims 2-13,14,17-29,31-44,,46,47,49-54,56-70 are allowable over the prior art of record because these claims depend from independent claims that have been determined to be allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (571)272-7623, who is available Tuesday-Thursday, 9am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Wayne Young, can be reached at (571)272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mno 11/9/05

W. R. YOUNG PRIMARY EXAMINER